

Drinking Water Quality Annual Report Data 01/07/2018 to 30/06/2019

Table 6 Health related variables

Mid West Locality	<i>E. coli</i>				Thermophilic <i>Naegleria</i>			Fluoride				Hydrocarbons		Metals		
	Samples Taken	Samples >0 cfu/100mL	Max cfu/100mL	Requirement Met	Samples Taken	Samples with Thermophilic Naegleria	Requirement Met	Concentration (mg/L)			Guideline Met	Samples Taken	Guideline Met	Samples Taken	Guideline Met	
								Min	Max	Mean						
Badgingarra	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Bindoon /Chittering	52	0	0	✓	27	0	✓	2	0.35	0.40	0.38	✓	0	(1)	2	✓
Bolgart	13	0	0	✓	9	0	✓	2	0.20	0.20	0.20	✓	0	(1)	2	✓
Calingiri	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Carnamah	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Carnarvon	65	0	0	✓	39	0	✓	2	0.40	0.50	0.45	✓	0	(1)	2	✓
Cervantes	52	0	0	✓	9	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Coomberdale	13	0	0	✓	9	0	✓	2	0.20	0.85	0.53	✓	0	(1)	2	✓
Coorow	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(2)	2	✓
Coral Bay	10	0	0	✓	10	0	✓	2	<0.1	<0.1	<0.1	✓	2	✓	2	✓
Cue	12	0	0	✓	12	0	✓	2	0.30	0.30	0.30	✓	2	✓	2	✓
Dandaragan	13	0	0	✓	9	0	✓	2	0.25	0.25	0.25	✓	0	(1)	2	✓
Denham	48	0	0	✓	26	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Dongara/Denison	65	0	0	✓	25	0	✓	48	0.20	0.90	0.79	✓	0	(1)	2	✓
Eneabba	13	0	0	✓	13	0	✓	2	0.15	0.15	0.15	✓	0	(1)	9	✓
Exmouth	64	0	0	✓	39	0	✓	52	0.65	0.80	0.72	✓	0	(1)	1	(2)
Gascoyne Junction	26	0	0	✓	26	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Geraldton	174	0	0	✓	174	0	✓	56	0.55	0.95	0.80	✓	0	(1)	4	✓
Gingin	51	0	0	✓	17	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Greenhead	52	0	0	✓	12	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	3	✓
Guilderton	51	0	0	✓	17	0	✓	2	0.15	0.25	0.20	✓	0	(1)	2	✓
Horrocks	12	0	0	✓	12	0	✓	2	0.40	0.40	0.40	✓	0	(1)	2	✓
Jurien Bay	52	0	0	✓	9	0	✓	2	0.25	0.30	0.28	✓	0	(1)	2	✓
Kalbarri	50	0	0	✓	24	0	✓	2	<0.1	<0.1	<0.1	✓	2	✓	2	✓
Lancelin	52	0	0	✓	18	0	✓	2	0.20	0.20	0.20	✓	0	(1)	2	✓
Latham	52	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Ledge Point	52	0	0	✓	9	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Leeman	52	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	5	✓
Meekatharra	52	0	0	✓	13	0	✓	2	0.55	0.60	0.58	✓	0	(1)	15	✓
Mingenew	13	0	0	✓	12	0	✓	2	0.15	0.20	0.18	✓	0	(1)	2	✓
Moora	51	0	0	✓	17	0	✓	52	0.70	0.90	0.81	✓	0	(1)	2	✓
Morawa	52	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Mt Magnet	52	0	0	✓	13	0	✓	2	0.30	0.30	0.30	✓	1	✓	2	✓
Mullewa	13	0	0	✓	13	0	✓	2	0.80	0.80	0.80	✓	2	✓	2	✓
Nabawa	13	0	0	✓	13	0	✓	2	0.80	0.95	0.88	✓	0	(1)	2	✓
New Norcia	13	0	0	✓	9	0	✓	2	0.15	0.20	0.18	✓	0	(1)	2	✓
Nilgern (Ocean Farms)	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	5	✓
Northampton	51	0	0	✓	13	0	✓	2	0.80	0.85	0.83	✓	0	(1)	2	✓
Perenjori	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Piawaning	26	0	0	✓	8	0	✓	2	<0.1	0.55	0.28	✓	0	(1)	2	✓
Port Kalbarri	11	0	0	✓	11	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Sandstone	13	0	0	✓	13	0	✓	2	0.45	0.45	0.45	✓	0	(1)	6	✓
Seabird	13	0	0	✓	9	0	✓	2	0.30	0.30	0.30	✓	0	(1)	2	✓
Seaview Park	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Sovereign Hills	25	0	0	✓	16	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	7	✓
Three Springs	13	0	0	✓	13	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Watheroo	13	0	0	✓	9	0	✓	2	<0.1	<0.1	<0.1	✓	0	(1)	2	✓
Woodridge	13	0	0	✓	9	0	✓	2	0.25	0.30	0.28	✓	0	(1)	2	✓
Yalgoo	13	0	0	✓	13	0	✓	2	0.15	0.15	0.15	✓	0	(1)	2	✓
Yerecoin	13	0	0	✓	9	0	✓	2	<0.1	0.65	0.33	✓	0	(1)	2	✓
Yuna	13	0	0	✓	13	0	✓	2	0.65	0.70	0.68	✓	0	(1)	2	✓

(1) No samples required in this 12 month period. (2) Sample due in 18/19 and scheduled for June but taken in early July - results met guidelines

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Table 7 Health related variables

Mid West	Health related variables															
Locality	Samples Taken	Nitrate				Pesticides		Radiological		Trihalomethanes				Other Health Related		
		Concentration (mg/L)			Guideline Met	Samples Taken	Guideline Met	Samples Taken	Guideline Met	Concentration (mg/L)			Guideline Met	Samples Taken	Requirement Met	
		Min	Max	Mean						Min	Max	Mean				
Badgingarra	2	0.9	0.9	0.9	✓	1	✓	2	✓	2	<0.001	0.001	<0.001	✓	0	(1)
Bindoon /Chittering	2	<0.2	<0.2	<0.2	✓	1	✓	1	✓	2	0.013	0.020	0.017	✓	0	(1)
Bolgart	2	30.4	34.3	32.6	✓	1	✓	1	✓	2	0.005	0.008	0.007	✓	0	(1)
Calingiri	4	16.7	25.5	21.1	✓	1	✓	2	✓	2	0.017	0.019	0.018	✓	0	(1)
Carnamah	2	1.3	1.3	1.3	✓	1	✓	2	✓	2	0.008	0.012	0.010	✓	0	(1)
Carnarvon	2	3.1	3.5	3.5	✓	1	✓	1	✓	2	0.004	0.005	0.005	✓	0	(1)
Cervantes	4	13.6	17.6	15.0	✓	1	✓	2	✓	2	0.015	0.019	0.017	✓	0	(1)
Coomberdale	2	<0.2	0.4	0.4	✓	1	✓	2	✓	2	0.034	0.120	0.077	✓	0	(1)
Coorow	2	0.4	1.3	0.9	✓	1	✓	4	✓	2	0.013	0.021	0.017	✓	0	(1)
Coral Bay	2	0.4	0.4	0.4	✓	1	✓	0	(1)	2	0.002	0.003	0.003	✓	2	✓
Cue	4	46.2	53.7	50.2	(3)	1	✓	2	✓	2	0.005	0.005	0.005	✓	0	(1)
Dandaragan	2	<0.2	0.4	<0.2	✓	1	✓	2	✓	2	0.007	0.009	0.008	✓	0	(1)
Denham	2	<0.2	0.4	<0.2	✓	1	✓	2	✓	2	0.005	0.005	0.005	✓	0	(1)
Dongara/Denison	5	2.2	3.5	3.1	✓	1	✓	1	✓	2	0.009	0.014	0.012	✓	1	✓
Eneabba	5	<0.2	0.4	<0.2	✓	1	✓	1	✓	2	0.009	0.009	0.009	✓	0	(1)
Exmouth	2	7.9	7.9	7.9	✓	0	(2)	0	(1)	2	<0.001	0.002	<0.001	✓	0	(1)
Gascoyne Junction	2	<0.2	0.9	0.4	✓	1	✓	0	(1)	2	0.006	0.009	0.008	✓	0	(1)
Geraldton	4	2.6	3.1	3.1	✓	2	✓	2	✓	4	0.008	0.012	0.010	✓	0	(1)
Gingin	2	<0.2	<0.2	<0.2	✓	1	✓	2	(1)	2	0.003	0.003	0.003	✓	0	(1)
Greenhead	2	3.5	3.5	3.5	✓	1	✓	1	✓	2	0.001	0.002	0.002	✓	0	(1)
Guilderton	5	33.4	42.7	38.7	✓	1	✓	0	(1)	2	0.013	0.014	0.014	✓	1	✓
Horrocks	5	<0.2	0.4	<0.2	✓	1	✓	2	✓	2	0.014	0.019	0.017	✓	0	(1)
Jurien Bay	4	15.0	15.8	15.4	✓	1	✓	2	✓	2	0.010	0.012	0.011	✓	0	(1)
Kalbarri	2	2.6	3.1	3.1	✓	1	✓	2	✓	2	0.001	0.002	0.002	✓	0	(1)
Lancelin	2	4.0	4.4	4.0	✓	1	✓	2	✓	2	0.008	0.010	0.009	✓	0	(1)
Latham	2	0.9	0.9	0.9	✓	1	✓	1	✓	2	0.012	0.063	0.038	✓	0	(1)
Ledge Point	4	18.9	21.6	20.7	✓	1	✓	1	✓	2	0.014	0.015	0.015	✓	0	(1)
Leeman	2	4.0	4.0	4.0	✓	1	✓	2	✓	2	0.004	0.004	0.004	✓	0	(1)
Meekatharra	4	56.3	65.6	61.2	(3)	1	✓	1	✓	2	0.002	0.005	0.004	✓	0	(1)
Mingenew	2	6.2	10.6	8.4	✓	1	✓	2	✓	2	0.002	0.004	0.003	✓	0	(1)
Moora	2	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.019	0.023	0.021	✓	0	(1)
Morawa	2	0.9	0.9	0.9	✓	1	✓	0	(1)	2	0.002	0.007	0.005	✓	0	(1)
Mt Magnet	6	62.9	72.2	67.3	(3)	1	✓	1	✓	2	0.002	0.005	0.004	✓	1	✓
Mullewa	2	2.2	3.1	2.6	✓	1	✓	2	✓	2	0.031	0.033	0.032	✓	0	(1)
Nabawa	2	2.6	3.1	3.1	✓	1	✓	2	✓	2	0.008	0.012	0.010	✓	1	✓
New Norcia	10	43.1	57.2	49.3	(3)	1	✓	1	✓	2	0.008	0.012	0.010	✓	0	(1)
Nilgern (Ocean Farms)	3	25.5	26.4	26.0	✓	1	✓	2	✓	2	0.005	0.005	0.005	✓	0	(1)
Northampton	2	2.2	2.6	2.6	✓	1	✓	2	✓	2	0.022	0.024	0.023	✓	0	(1)
Perenjori	2	0.9	0.9	0.9	✓	1	✓	2	✓	2	0.004	0.009	0.007	✓	0	(1)
Piawaning	2	9.2	12.3	11.0	✓	1	✓	2	✓	2	0.045	0.071	0.058	✓	0	(1)
Port Kalbarri	2	0.4	0.4	0.4	✓	1	✓	2	✓	2	0.004	0.029	0.017	✓	0	(1)
Sandstone	6	53.7	62.0	57.6	(3)	1	✓	0	(1)	2	0.002	0.002	0.002	✓	0	(1)
Seabird	2	0.4	0.4	0.4	✓	1	✓	2	✓	2	0.039	0.060	0.050	✓	0	(1)
Seaview Park	4	24.2	26.4	25.5	✓	1	✓	2	✓	2	0.002	0.002	0.002	✓	0	(1)
Sovereign Hills	7	2.6	4.0	3.5	✓	1	✓	1	✓	2	0.020	0.023	0.022	✓	0	(1)
Three Springs	2	1.8	1.8	1.8	✓	1	✓	2	✓	2	0.006	0.007	0.007	✓	0	(1)
Watheroo	4	<0.2	0.4	<0.2	✓	1	✓	0	(1)	5	0.084	0.150	0.119	✓	0	(1)
Woodridge	4	<0.2	<0.2	<0.2	✓	1	✓	2	✓	2	0.120	0.140	0.130	✓	0	(1)
Yalgoo*	2	34.3	36.5	35.6	✓	1	✓	2	✓	2	0.012	0.024	0.018	✓	0	(1)
Yerecoin	3	4.4	14.1	8.8	✓	1	✓	1	✓	2	0.090	0.100	0.095	✓	1	✓
Yuna	2	2.6	2.6	2.6	✓	0	(2)	2	✓	2	0.019	0.027	0.023	✓	0	(1)

(1) No samples required in this 12 month period. (2) Sample due in 18/19 and scheduled for June but taken in early July - results met guidelines (3) Cue, Meekatharra, Mount Magnet, New Norcia, Sandstone and Yalgoo have been granted an exemption from compliance with the infant health nitrate guideline by the Department of Health. Carers of infants younger than 3 months should seek advice from the Community Health Nurse regarding the use of alternative water sources for the preparation of bottle feeds. The Water Corporation provides bottled water free of charge for this purpose. Note: Although \*Yalgoo has an exemption, due to treatment intervention, it has achieved compliance with the infant health guideline limit. The water supplied has always met the guideline for adults and children over the age of 3 months - for a full list of towns with nitrate exemptions and how we are improving water quality in these towns - please refer to 'Understanding water quality test results - Nitrate' section of the annual report.